

ABSTRACT

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Title: Pyrazine derivatives as potential antimycobacterial drugs I.

In this diploma thesis basic information on tuberculosis, its treatment and trends in the development of new drugs were presented. There were synthesised seven esters of the 3-aminopyrazin-2-carboxylic acid. The CEM Discover microwave reactor with autosampler Explorer 24 which served to accelerate the reaction was used for synthesis. The series of prepared products was characterized by IR, ^1H NMR, ^{13}C NMR spectra and melting points. Log P and Clog P were calculated. Products were put through *in vitro* antimycobacterial activity.